

Midwest Innovations: Web Resources Developed in the GMR

Jean Sayre, Associate Director

This issue of *3 Sources* continues the technology theme of previous issues with a sampler of information about web resources from around the Greater Midwest Region. Inside you'll find a description of the HealthWeb project, an evaluated catalog of Internet health resources. HealthWeb is co-sponsored by the GMR and recently received funding from the NLM. Also highlighted in this issue is another regional project: NetWellness. This resource was developed

by the University of Cincinnati to help consumers find health information and ask medical experts for answers to health queries. And finally, take a tour of the Virtual Hospital, one of the original web-based resources, developed by the University of Iowa.

This issue also features a sample hospital Internet access policy, a description of the PubMed Citation Matcher, an overview of an NLM/MLA sponsored meeting of librarians and developers of the PubMed

and Internet Grateful Med systems, a PubMed Help Sheet, and more. Help the GMR locate trainers and courses by filling out the Topics and Trainers Registry form. The GMR will maintain a database of trainers and courses in the region to help you with your training needs.

We hope this issue is informative and interesting for you. If you have ideas for articles you would like to see (or would like to write) or for newsletter themes, please contact the GMR at gmr@uic.edu.

Training Sites Needed

Maureen Czujak, National Online Training Center

The National Online Training Center is in the process of developing the 1998-1999 schedule. Many institutions have been invited to act as a host site. The trainers will be returning to many of the sites used in previous years, but they have also contacted institutions in areas where requests from librarians have come in during the past year.

In addition to offering the two-day Introduction and the one-day

Making the Transition courses, the trainers will also be offering a half-day demonstration of PubMed and Internet Grateful Med with no hands-on training. The trainers hope to offer this class in areas where computer labs are unavailable. What is needed for the demonstration is a computer with an Internet network connection, excellent projection equipment, and a room that can accommodate 20-25 individuals comfortably. The projection equipment is of paramount impor-

tance since the demonstrations are "show and tell."

If you know of a site, or your institution is interested in hosting any of the above classes, please contact Maureen K. Czujak at mczujak@nyam.org. If your organization is interested in scheduling a class for your professional group, now is the time to contact the National Online Training Center. The schedule fills up very quickly and there is the possibility of the trainers being unavailable at the time requested.

The National Online Training Center would appreciate hearing from interested parties by July 31, 1998.

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TechNotes

Finding a Needle in a Haystack: PubMed's Citation Matcher is a Magnet!

Maren Haaland, NN/LM Midcontinental Region

Reprinted by permission from *Midcontinental Region NetLink*
<<http://www.nlm.nih.gov/mr/nlspr98.html#citmatcher>>.

Finding a complete and correct journal article citation just got easier! Now, using PubMed's Citation Matcher, you can enter any part of the citation that you have — journal title, date, volume, issue, first page, author — and retrieve the full citation for any articles in MEDLINE and PREMEDLINE that share those features. As a part of NLM's PubMed, Citation Matcher is free and available at <<http://www.ncbi.nlm.nih.gov/PubMed/wgetcit.html>>. It is also linked on the left sidebar of PubMed's main page.

Example: Imagine this — a doctor at your institution comes to you with a crumpled scrap of paper that accidentally made a trip through the washing machine. She's on a committee discussing computer-based access to clinical information and needs a copy of the article listed on this scrap, but only a few pieces of information are still legible — volume 72, issue 6, pages 512-17. Without the author's name, the article's title, or even the name of the journal, there isn't much information to go on, but it may be enough for Citation Matcher!

Just enter the information you have ...



PubMed

Citation Matcher for Single Articles

Enter information about the article you wish to find.

Journal:
Date:
Volume: 72 Issue: 6 First page: 512
Author's last name and initials (e.g., Smith BJ)

.....and Citation Matcher will do the rest!

This search returned five citations that matched the information available. On this short list, only a single article deals with computer-based clinical information. Congratulations — you've found the complete citation!

How to Test Your PC for the Year 2000 Problem

Chris Shaffer, Technology Coordinator

NSTL provides a free program to test your personal computer for the Year 2000 problem at <http://www.nstl.com/html/y2k_faq.html>. This web page also includes a nice frequently-asked-questions list about the Year 2000 problem.

An Exciting Year for HealthWeb!

Doreen Bradley, University of Michigan

Karen Graves, University of Illinois at Chicago

During the past year, HealthWeb <<http://healthweb.org>> has initiated many changes and new developments. It continues to expand its membership with the addition of the health sciences libraries at Loyola University-Chicago and at the University of South Dakota, bringing the number of participating libraries to twenty-three. The number of subject areas has increased to seventy-six and significant emphasis is being placed on their completion. The most recent additions to the subject pages include Anesthesiology, Cardiology, Immunology, and Rural Health. The Reference Resources page provides access to very practical sites, including dictionaries, directories, and statistical resources. Additionally, sixteen other subject pages are under development and will be

available as mini- or complete pages very soon. Watch for future announcements!

HealthWeb has garnered much publicity in the past few months too. The development and collaborative efforts behind the project are featured in *Library Hi Tech* 16:1 1998. Another article has been accepted for publication in *College & Research Libraries News*. HealthWeb also had a strong presence at the 1998 Medical Library Association conference in Philadelphia. A poster presentation entitled "HealthWeb: Growing to Meet Educational Needs" was one of the highlights. It focused on using HealthWeb as an instructional tool to educate users on searching for health information and on using the Internet. Doreen Bradley, University of Michigan; Ann Combs, University of Wisconsin-Madison; Kellie

Kaneshiro, Indiana University; Julia Kelly, University of Minnesota; and Patricia Redman, University of Michigan, presented the session.

Additionally, we are very pleased to announce that the Medical Library Association selected several representatives of HealthWeb as recipients of the ISI/Frank Bradway Rogers Information Advancement Award for 1998 sponsored by the Institute for Scientific Information. The representatives are Elaine Martin, Jim Shedlock, Ellen Nagle, Julie Kelly and Pat Redman. As defined by MLA, "the Rogers Award is presented annually in recognition of outstanding contributions for the application of technology to the delivery of health science information, to the science of information, or to the facilitation of the delivery of health science

information." This award is very encouraging to our members. It reinforces our belief that collaborative projects like HealthWeb are exceedingly important as information on the Web proliferates.

The NN/LM Greater Midwest Region is pleased to announce that the HealthWeb project has been awarded \$114,895 from the National Library of Medicine. The award monies will be sub-contracted to Northwestern University's Galter Library, and used for personnel and equipment to create a HealthWeb database. With the new infrastructure in place, HealthWeb pages will be generated from the database on demand, maintenance of the web pages will be made much easier, and librarians will be able to index pages using MESH or UMLS. The project will begin in July, 1998.

NetWellness

Ted Morris, University of Cincinnati

NetWellness, a consumer health information service developed by the University of Cincinnati Medical Center and delivered via the World Wide Web, offers a large base of medical experts to provide on-line consumer health information.

Health professions faculty from University of Cincinnati Medical Center, The Ohio State University Health Sciences Center, and Case Western Reserve University School of Medicine develop original content and provide expertise for popular NetWellness features such as "Ask an Expert" and "What's Hot."

"What's Hot" provides updates on leading-edge medical research from the three partner universities. "Ask an Expert" features pharmacists, nurses, physicians, and other health professionals who provide answers to consumers' health questions.

NetWellness also includes seven medical books, over 300 magazines, thousands of consumer booklets from various organizations, and numerous health literature indexes, such as MEDLINE. A health "news" service also provides coverage of current health topics.

NetWellness is available from more than 6,000 public access

computers in Ohio, thanks to collaboration with OPLIN and the State Library of Ohio, making NetWellness available through Ohio's 249 public library systems in approximately 700 communities. UC and its partners receive operating funds from the State of Ohio to provide access to NetWellness through OPLIN for Ohio's 6.7 million public library users.

Along with expanded access and improved content, NetWellness recently introduced a dramatic new look, with improved navigation. Anyone with access to the World Wide Web can access much of the new NetWellness at <<http://www.netwellness.org>>.

The full suite of NetWellness resources, including all licensed data bases, is available at Ohio public libraries from the OPLIN homepage, <<http://www.oplin.lib.oh.us>>.

NetWellness has been providing better health through information since 1995, when it began as a US Department of Commerce/University of Cincinnati \$1.5 million demonstration in southern Ohio, northern Kentucky, and southeastern Indiana, in cooperation with over 40 other partners. People use a NetWellness resource nearly 600,000 times each month from all 50 states, all Canadian Provinces, and over 50 countries.

NLM Customer Service Web Form and Email Address

Chris Shaffer, Technology Coordinator

Check out the new NLM Customer Service web form at <<http://www.nlm.nih.gov/contacts/custserv-email.html>> or email NLM at <custserv@nlm.nih.gov>. The web form and email address are monitored by librarians who will pass your query or comment on to the right office at NLM.

The Virtual Hospital

Steve Ostrem, Virtual Hospital Project, University of Iowa

The Virtual Hospital <<http://www.vh.org>> is a project of the Electric Differential Multimedia Laboratory, Department of Radiology, University of Iowa College of Medicine. Since its debut as a gopher server in 1992 and subsequent migration to the Web in the fall of 1993, the Virtual Hospital has been one of the premier sources of medical information on the Internet. It currently contains over 400 multimedia items, including consumer health brochures, interactive teaching modules and clinical practice guidelines. The Virtual Hospital receives over 3 million hits a

month, which translates to 10,000 visitors per day. Approximately 20% of those visitors connect from outside the United States.

Beginning at the Virtual Hospital home page, users find the site arranged into 5 categories: 1) Welcome - information about the project, including the Virtual Hospital tour <<http://www.vh.org/Welcome/VHTour.html>>, a good way to get an overview of the site; 2) Information about the services of the University of Iowa Hospitals and Clinics; 3) Information for patients - primarily consumer health brochures; 4) Information

for healthcare providers; 5) Beyond the Virtual Hospital - links to other Web resources on the Iowa health sciences campus and the world at large.

In addition to the menu selections available from the home page, there is a search form that provides keyword access to all content on the VH, as well as separate forms for just consumer health material and other selected resources. An outline view available from the home page enables the user to view all site contents in outline form.

The best way to get familiar with the Virtual Hospital is to spend

some time navigating through the subject categories listed within each section. The continuing education section <<http://www.vh.org/Providers/CME/CMEHome.html>> might be of particular interest to practitioners at your institution. It contains interactive CE modules that rely upon online quizzes to test users' knowledge in a given subject area. Participants may receive CE credit through the UI College of Medicine's continuing education office.

Enjoy your visit to the Virtual Hospital!

Sample Hospital Internet Use Policy

Kathy Murray, University of Alaska Anchorage

Editor's Note: Reprinted with permission from the *PNR Supplement*, <<http://www.nlm.nih.gov/nr/supp/9804/policy.html>>. Several e-mail discussion lists have recently shown an interest in Internet policies for hospitals and health sciences libraries. We are pleased to present a sample policy prepared by Kathy Murray.

Writing an access policy is beneficial for the organization in that the creation of the document provides a means to encourage discussion. By involving different departments (Information Services, Library, Administration, Nursing, etc.), a broad picture of why and who will use the Internet should emerge. Often, one area will have little or no understanding of the information needs of others. They may believe these needs are minimal or non-existent. Internet use can often be limited to a select few, unless the Library or other departments fight for the right for wide access to the work-related resources available via the Internet.

An access policy is also written to govern where general-use computers will be located, what

types of Internet information will be allowed, and what types of Internet access (ftp, for example) will be excluded. The following policy was created at a hospital in 1995. It took four months to develop; the final product did become a hospital-wide policy.

Department:

Information Services &
Health Resources
Library

Subject:

Internet Access

I. PURPOSE:

To define the process and procedures necessary to access electronic databases and the Internet. To provide guidelines for the control and use of Medical Center intellectual properties on and in electronic means.

II. SCOPE:

This policy applies to all areas of Medical Center.

III. POLICY:

With the increased capabilities available for electronic forms of communication, Medical Center must ensure that employees are knowledgeable in the use of these capabilities and have an understanding of the circumstances in which these forms of

communication are appropriate and permitted.

IV. PROCEDURE:

1. Department Directors/Managers/Team Leaders shall be responsible for determining the criteria for the appropriateness of electronic access for departmental staff to external databases and the Internet. The Information Services department will be responsible for providing and maintaining access to external services.

2. Under no circumstances is patient-specific information which would allow identification of the patient to be sent over unsecured data lines.

3. No proprietary Medical Center material may be sent or used without written administrative approval.

4. No Medical Center strategic information may be sent without written administrative approval.

5. Software may be downloaded to the Medical Center network or executed only under the guidelines of Medical Center policies XX-X00-01 Microcomputer Policy or XX-X00-02 Backup and Recovery Guidelines.

6. Data from existing Medical Center systems can not be uploaded to the Internet without written administrative approval.

7. Games will not be downloaded or executed on the Internet while accessing through Medical Center-owned equipment.

8. Internet e-mail will not be used in lieu of Medical Center internal e-mail.

9. Use of Medical Center computer resources for non-business related purposes will be limited to after scheduled work hours or to Health Resources Library equipment.

10. Medical Center will select an Internet Service Provider and all access will be directed through that provider.

11. When an employee's affiliation with Medical Center is apparent to others on the Internet (such as by their e-mail address), the employee must include a disclaimer as part of their signature file. A disclaimer statement example; "This represents personal views, not those of my employer."

continued on page 5

12. When access to Medical Center is being provided to the community or vendors, ease of use, security, and reliability must be the focus. To facilitate this, there will be only one Simple Mail Transfer Protocol (SMTP) address and File Transfer Protocol (FTP) address for each Internet gateway connection point, and only one World Wide Web (WWW)

address for Medical Center. To ensure consistency, the Information Services department is responsible for SMTP and FTP and for maintaining the WWW server. The content of the WWW server is the responsibility of the departments who provide this content.

13. To assure effective control and monitoring of dial-in com-

munications, they will be allowed only via approved software and modems or modem pools supplied by the Information Services department. Dial-in access will be for business purposes only; games or other non-business purposes will be prohibited.

14. Many of the services on the Internet require paid sub-

scriptions. Each Department Director/Manager/Team Leader must budget for these services, if they are deemed appropriate for the department's employees.

*Recommended By: Health Resources Library and Information Services
Related Department(s): All Departments*

Searching MEDLINE Using NLM Web-Based Search Tools

Jo Dorsch, UIC Library of the Health Sciences - Peoria

On April 16, I - along with 14 other librarians - attended a meeting at NLM to discuss web access to MEDLINE. The working group meeting was hosted by NLM and MLA to identify and discuss the problems accessing and searching MEDLINE using NLM's PubMed and IGM interfaces.

In preparation for the meeting, librarians were asked to conduct hourly time tests of the two interfaces over three-day periods. In addition, librarians

were asked to submit feedback/problems/suggestions for improving the search design features of the interfaces. Each region was represented and the attendees generally had surveyed their region to solicit input. I used comments sent to the GMRLIST when these issues were discussed a few months ago.

The results of the time tests were summarized at the meeting. Additionally, the search feature suggestions were addressed by the PubMed and

IGM development teams. Each librarian, in turn, also had a chance to discuss suggestions for improvement. The list of suggestions was long, but each one was considered with full attention. NLM provided a meeting summary at the 1998 MLA Annual Conference.

I was impressed with the receptiveness of NLM and IGM and PubMed developers to the ideas for improvement. I am hopeful that many of the suggestions will be implemented this year. This was an excellent

opportunity to contribute constructive criticism. NLM wants input and does value the knowledge and experience of the library community. Call 888-FIND-NLM or email <custserv@nlm.nih.gov>.

There are exciting changes ahead for PubMed and IGM. NLM is aware that more communication and more training is needed. Look for forthcoming information from NLM and the NN/LM.

Keep Informed with the NLM New Files List

Chris Shaffer, Technology Coordinator

To receive weekly announcements of new files on the NLM web and FTP servers, send an email message to <lists@mailserv.nlm.nih.gov>. Leave the subject line blank and in the body of your message type "subscribe nlmfiles" without the quotes.

Technical Bulletins

Jan/Feb 1998

Technical Notes (e1)

Corrections to the November-December 1997 NLM Technical Bulletin article titled NLM Classification, 5th Edition, Additions and Changes, List 2

Correction Policy for the NLM Technical Bulletin on the Web
Further Discussion About the Transitioning from ELHILL to PubMed Article

PubMed 2.0 Up on the Web

LSIOU Order Information

Hospital and Health Administration Index

Additional Transition Classes added to Online Training Schedule

1998 MLA Meeting Reminder and NLM Invitation

AVLINE® Update - (e2)

Gold Standard Search (e3)

NLM Publications
Internet Directory

Mar/Apr 1998

Technical Notes (e1)

New Customer Service E-Mail Address

1998 NLM Invitation and MLA Meeting Reminder

Consumer Health Titles Added to MEDLINE®

Grateful Med Software Discontinued

Training Class "No-Shows"

NLM Phases Out Old 800 Number

Associations Switch to Free Web Access (e2)

PubMed's Citation Matcher (e3)

NLM Publications

Internet Directory

Hello Network Members

Charniel McDaniels, Network Coordinator

There are three new DOCLINE libraries in the GMR. Please welcome:

56308A	Douglas County Hospital Alexandria, MN
53081A	Sheboygan Memorial Medical Center - Sheboygan, WI
43616A	St. Charles Mercy Hospital Oregon, OH

April 1998

PubMed Help Sheet

for Command Language Searchers



ELHILL Technique	PubMed Technique	PubMed Comments
(tw) holistic	holistic [tw]	Use square brackets to qualify. Do not pre-qualify.
all work:	work*	The only truncation symbol is the asterisk. No need to use "all" to avoid multi-meaning messages.
liver or bladder	liver [mh] OR bladder [mh]	Enter Boolean operators in UPPERCASE. There is no default to MeSH search.
cats and not dogs	cats NOT dogs	Represent the "and not" operator with NOT.
wit a#d humor	wit and humor [mh]	MeSH headings which include "and" do not require use of # to avoid confusion with the Boolean AND.
exp heart	heart [mh]	MeSH terms are automatically exploded in PubMed, unless you qualify with [mh:noexp].
hypertension	hypertension [mh:noexp]	To turn off automatic exploding of MeSH headings, post-qualify with [mh:noexp].
*smoking	smoking [majr]	Post-qualify with [majr] to limit a MeSH search to major focus.
neoplasms/dt	neoplasms/dt	Subheadings can be spelled out or the two-letter abbreviation may be used.
hypertension and to (sh)	hypertension [mh] AND toxicity [sh]	Subheadings may be searched as floating subheadings. Pre-exploded subheadings will be automatically exploded.
heart diseases and th (sh)	heart diseases [mh] AND therapy [sh:noexp]	Post-qualify with [sh:noexp] to turn off automatic explode feature when floating subheadings.
all applegate ra: (au)	applegate ra [au]	The format for author searching remains the same, but truncation is automatic.
shields t (au)	"shields t" [au]	Use quotes to turn off automatic truncation when searching authors.
*eye and not for (la)	eye [majr] AND english [la]	Go ahead and work with the larger portion of the database, the English language portion. Spell out language values.
exp *eye contains human	eye [majr] AND human [mh]	No need to STRINGSEARCH or use the CONTAINS operator.
*g suits and 98 (yr)	g suits [majr] AND 1998 [dp]	Enter 4 digits followed by the [dp] tag to search the Date of Publication field.
*psychotherapy and 97 (yr) or *psychotherapy and 98 (yr)	psychotherapy [majr] AND 1997:1998 [dp]	Ranging operations may be performed on the Date of Publication field using the colon. (You can also range using year and date or complete Date of Publication values.)
Jama (ta) and 1998 jan 12 (dp)	Jama [ta] AND 1998/01/12 [dp]	Format for the Date of Publication field is YYYY/MM/DD [dp].
Diazepam and 9ja (jc)	Diazepam [mh] AND jama [ta]	The 3-character journal code is not available. Search the Title Abbreviation instead.
(cats or dogs) and rabies ----- cats and rabies or dogs and rabies	cats [mh] OR dogs [mh] AND rabies [mh]	ELHILL and other search systems require searchers to consider the processing order of operations within search statements. Nesting or separate search statements were used. PubMed processes statements left to right.

NN/LM Greater Midwest Region Topics and Trainers Registry

The National Network of libraries of Medicine Greater Midwest Region is beginning a database of information professionals in the Region who are willing to teach classes within the GMR on a variety of topics. We are interested in classes you have developed that could be taught to health sciences librarians and health professionals.

Please complete this form and return to the NN/LM GMR if you are interested in teaching classes within the GMR and would like to be included in our registry for referral. Your name, phone number, etc. will be provided to groups or individuals looking for training opportunities. Such referrals do not obligate you to accept the assignment. Thank you for your willingness to share your expertise with others in our Region.

Trainer's Name: _____

Trainer's Professional Degree(s): _____

Name of Library (if applicable): _____

Street Address: _____

City, State, ZIP: _____

Phone: _____

Fax: _____

Email: _____

Web Address: _____

Non-English Languages Spoken: _____

Are you willing to travel out-of-state? _____

Charge for services (Yes or No): _____

If you want to include how much you charge, please indicate it here: _____

Please list the course(s) you have developed below: _____

Title of course

Audience

Length

C E Credits

Thank you for participating in this registry.
Feel free to copy this form as necessary.

Important Dates...

<http://www.nlm.nih.gov/gmr/calendar/>

June 30, 1998

Deadline extended for
GMR Fellow Award RFQ
<<http://www.nlm.nih.gov/gmr/funding/fellow/>>

July 15, 1998

GMR Funding
Opportunities Awards and
Subcontracts Announced

July 20-22, 1998

Introduction to Web-Based
Searching
Making the Transition
* Taught by NOTC
Louisville, KY

September 9-10, 1998

Health Sciences Education
for the New Millennium:
Internet/Multimedia
Resources
GMR Funded Technology
Awareness Conference
Bio-Medical Library,
University of Minnesota
Minneapolis, MN

September 9-11, 1998

Introduction to Web-Based
Searching
Making the Transition
* Taught by NOTC
Minneapolis, MN

September 16-18, 1998

Michigan Health Sciences
Library Association Annual
Meeting
Contact Bonnie Swegles
<sweglesb@mlc.lib.mi.us>
810-985-1378
Port Huron, MI

September 16-17, 1998

Chem/Tox/TOXNET
Specialized Module
* Taught by NOTC
Bethesda, MD

October 10-13, 1998

Midwest Chapter/MLA
Annual Meeting - Weaving
Our Future

Joint Meeting with
Southern Chapter/MLA
PubMed Train the Trainer
class taught by NN/LM GMR
Health Resources on the
Internet class taught by
NN/LM GMR and NN/LM
SEA
Contact Jane Bryant,
<jbryant@pop.uky.edu>
606-323-5715 or Deb Ward,
<muldward@showme.missouri.edu>.
Lexington, KY

November, 1998

Health Science Librarians
of Illinois (HSLI) Annual
Meeting
Contact Laura Wimmer
<lwimmer@ResHealth.org>
773-792-9938
Chicago, IL

November 10-13, 1998

Introduction to Web-Based
Searching
Making the Transition
* Taught by NOTC
Chicago, IL

November 18-19, 1998

Chem/Tox/TOXNET
Specialized Module
* Taught by NOTC
Bethesda, MD

May, 1999

Medical Library
Association Annual
Meeting
Chicago, IL

September, 1999

Midwest Chapter/MLA
Annual Meeting
Grand Rapids, MI

** To inquire about NOTC classes, call
800/338-7657 and choose 2 from the
menu.*

** To suggest items for the calendar,
please email <gmr@uic.edu> or call
800-338-7657.*

Journal Lists on the Web

Chris Shaffer, Technology Coordinator

The 1998 List of Journals Indexed in Index Medicus (LJI) and the 1998 List of Serials Indexed for Online Users (LSI) are now available at <<http://www.nlm.nih.gov/pubs/libprog.html>>.

The Virtual Library's comprehensive list of electronic journal publications can be found at <<http://www.edoc.com/ejournal/>>.

3 Sources

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at Chicago

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Chicago, Illinois
Permit No. 4860

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